

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/18/98

Date Received: 02/12/98

Project: Metro Self Monitor, PO #M59993

Date Extracted: 02/17/98

Date Analyzed: 02/17/98

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as $\mu\text{g/L}$ (ppb)

<u>Sample ID</u>	<u>M59993</u>	<u>Method Blank</u>
Analyte:		
Chromium	0.59	<0.05
Copper	0.70	<0.05
Nickel	0.59	<0.05
Zinc	0.12	<0.05

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**QUALITY ASSURANCE RESULTS
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Laboratory Code: 802031-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.69	0.70	1	0-20
Copper	mg/L (ppm)	0.77	0.83	8	0-20
Nickel	mg/L (ppm)	0.52	0.46	12	0-20
Zinc	mg/L (ppm)	0.11	0.08	32a	0-20

Laboratory Code: 802031-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.69	86	86	80-120	0
Copper	mg/L (ppm)	5	0.77	97	97	80-120	0
Nickel	mg/L (ppm)	10	0.52	87	81	80-120	7
Zinc	mg/L (ppm)	5	0.11	98	107	80-120	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	102	101	80-120	1
Copper	mg/L (ppm)	5	107	105	80-120	2
Nickel	mg/L (ppm)	10	104	101	80-120	3
Zinc	mg/L (ppm)	5	108	106	80-120	2

a - The analyte was detected at a level less than five times the detection limit. The RPD results may not provide reliable information on the variability of the analysis.

AJ # 802056

KS 2.12.98 AJ
2:40

2:40

Contact Geordie A. Thompson

City, State, Zip Seattle WA 98134

Date 2-6-88

PURCHASE ORDER #

7088

metro Self monitor

m 59993

PROJECT LOCATION

3200 6th Ave

SAMPLE DISPOSAL INFORMATION

☐ ☒ ☐

Dispose after 30 days

Return Samples

Call for Instructions

Date/Time
SampledType of
Sample# of
Jars

Lab
Sample #

Analyses Requested

79993

2/198

 H_2O

1

21

CR 01 21

Time

Raymond Ramos

Acw

2/2/98

Received by:

Received by: Tom Russell

Tom Russell

FBI

2.12.98

11:02

Relinquished by:

Results

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 18, 1998

DUPLICATE COPY

INVOICE #98ACU0218-1

**Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134**

**RE: Project Metro Self Monitor, PO #M59993: Results of testing requested
by Gerry Thompson for material submitted on February 12, 1998.**

**1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$65 per sample**

\$ 65.00

Amount Due

\$ 65.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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February 18, 1998

**Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134**

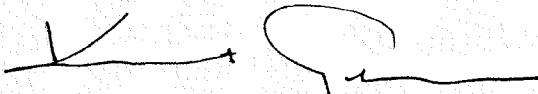
Dear Mr. Thompson:

Included are the results from the testing of material submitted on February 12, 1998 from your Metro Self Monitor, PO #M59993 project.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



**Kurt Johnson
Chemist**

**Enclosures
ACU0218R.DOC**